

## **EQUIPMENT MECHANIC**

**General Statement of Duties:** Performs skilled mechanical work in the fabrication, repair and maintenance of a variety of automobiles, firefighting apparatus, equipment, trucks, road building and maintenance equipment, does related work as required.

**Distinguishing Features of the Class:** Employees in this class perform skilled tasks in mechanical repair and maintenance of automobiles, trucks, tractors, bulldozers, grader, rollers and other specialized automotive equipment. Employees work under general supervision, using judgement as to the method of repair after receiving oral instructions or written work orders as to the nature of the job. An employee in this class is distinguished from Mechanic Helper by the skill utilized in performing complex mechanical tasks and the independence afforded.

### **Examples of Work:**

- Makes difficult repairs on light and heavy trucks, gasoline and diesel motors, tractors, bulldozers, graders and other City equipment;
- Repairs, and replaces spark plugs, points, distributors, generators, starters, water pumps, fuel pumps and similar automotive equipment;
- Replaces necessary units and related parts including valves, pistons, and main bearings and assembles cooling, fuel and exhaust systems;
- Utilizes gas and/or arc welding equipment to heat, cut, and braze;
- Inspects, adjusts, repairs and overhauls brakes and ignition systems;
- Tunes motors using specialized electronic testing equipment;
- Inspects fire fighting equipment and checks on the condition and efficiency of fire pumps, relief valves, motors, carburetors, magnetos, generators, batteries, ignition systems, transmissions, differentials, rear ends, tires, brakes, lights, hose reels, steering gears, frames and wheels;
- Participates in overhauling engines, pumps, hydraulic systems and other mechanical and electrical mechanisms pertaining to fire apparatus;
- Responds to emergency road calls for disabled City equipment and makes minor adjustments or has the vehicle towed to the garage;
- Performs preventative maintenance on mechanical and electro-mechanical machinery and equipment.

**Required Knowledge, Skills and Abilities:** Considerable knowledge of standard practices and equipment of the automotive mechanic trade; good knowledge of the principles of operation of gasoline and diesel engines and of mechanical repair on heavy trucks and construction equipment; knowledge of the practices, material, tools and equipment used in maintaining and repairing fire fighting apparatus may be required; good knowledge of the occupational hazards and safety precautions of the trade; some knowledge of plumbing and electro-mechanics; ability to understand and carry out oral and written instructions; ability to adapt available tools and repair parts to specific repair problems; skill in the use and care of hand and machine tools employed

in motor repair and adjustment work; skill at adjusting defects in automotive equipment; mechanical aptitude; ability to establish and maintain effective working relationships with law enforcement personnel.

**Acceptable Experience and Training:** Requires combination of education and experience equal to an Associates Degree auto or diesel technology and at least 5 years experience. Prefer computerized engine diagnostic experience and/or hydraulic & snow equipment experience. Requires ability to obtain and maintain class A CDL within 6 months of employment.

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